

9. (Twice Amended) A method of identifying an agent which inhibits the filamentation MAPK pathway in a fungus, comprising the steps of:
- B1
- a) transforming a suitable host cell capable of expressing a gene when transformed with an expression vector comprising a nucleic acid molecule encoding TOT10/YEL033W under conditions suitable for expression of TOT10/YEL033W;
 - b) contacting said host cell with an agent to be tested; and
 - c) comparing the expression of TOT10/YEL033W in the presence of the agent with the expression of TOT10/YEL033W in the absence of said agent, wherein if the expression of TOT10/YEL033W is lower in the presence of the agent than in the absence of the agent, then the agent is an inhibitor of the filamentation MAPK pathway in a fungus.
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15. (Twice Amended) A method of identifying an agent which modulates PGUI gene expression, comprising the steps of:
- B2
- a) transforming a suitable host cell capable of expressing a gene when transformed with an expression vector comprising a nucleic acid molecule encoding PGUI under conditions suitable for expression of PGUI;
 - b) contacting said host cell with an agent to be tested; and
 - c) comparing the expression of PGUI in the presence of the agent with the expression of PGUI in the absence of said agent, wherein a difference in the expression of PGUI in the presence of the agent as compared with in the absence of the agent indicates that the agent modulates PGUI expression.
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19. (Amended) A method of identifying an agent which modulates expression of a gene which is modulated by a filamentation MAPK pathway in a fungus, comprising the steps of:
- B3
- a) transforming a suitable host cell capable of expressing a gene when transformed with an expression vector comprising a nucleic acid molecule encoding a gene

- Please charge Deposit Account No. 08-0380 for the following fees:

| | | | |
|--------------------------|--|--------|-------------|
| <input type="checkbox"/> | Petition for [] month Extension of Time | \$ | _____ |
| <input type="checkbox"/> | Amendment Fee | \$ | _____ |
| <input type="checkbox"/> | Other Fees: | | |
| | _____ | \$ | _____ |
| | _____ | \$ | _____ |
| | | TOTAL: | \$ <u>0</u> |

A check is enclosed in payment of the following fees:

| | | | |
|-------------------------------------|--|--------|----------------|
| <input checked="" type="checkbox"/> | Petition for three-month Extension of Time | \$ | <u>890</u> |
| <input type="checkbox"/> | Amendment Fee | \$ | _____ |
| <input checked="" type="checkbox"/> | Other Fees: | | |
| | Information Disclosure Statement | \$ | <u>180</u> |
| | _____ | \$ | _____ |
| | | TOTAL: | \$ <u>1070</u> |

- ☒ A general authorization is hereby granted to charge Deposit Account No. 08-0380 for any fees required under 37 C.F.R. 1.16 and 1.17 in order to maintain pendency of this application. A copy of this authorization is enclosed for accounting purposes.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

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